

Please amend the present application as follows:

Claims

The following is a copy of Applicant's claims that identifies language being added with underlining ("___") and language being deleted with strikethrough ("—"), as is applicable:

1. (Currently amended) A method for cooling a storage device contained in a computer, the method comprising:

~~determining the temperature of the storage device~~ measuring the temperature of the storage device using a temperature sensor provided in or on the storage device; and

adjusting computer operation so as to reduce the temperature of the storage device if that temperature is deemed to be too high.

2. (Canceled)

3. (Original) The method of claim 1, wherein measuring the temperature of the storage device comprises measuring the temperature of the storage device using a thermal diode of the storage device.

4. (Original) The method of claim 1, wherein adjusting computer operation so as to reduce the temperature of the storage device comprises increasing the speed of a fan contained within the computer.

5. (Original) The method of claim 1, wherein adjusting computer operation so as to reduce the temperature of the storage device comprises adjusting the operation of a processor contained within the computer.

6. (Original) The method of claim 5, wherein adjusting the operation of a processor comprises reducing the clock speed of the processor.

7. (Original) The method of claim 5, wherein adjusting the operation of a processor comprises reducing a voltage provided to the processor.

8. (Original) The method of claim 1, wherein adjusting computer operation so as to reduce the temperature of the storage device comprises shutting down the computer.

9. (Previously presented) The method of claim 1, wherein adjusting computer operation so as to reduce the temperature of the storage device comprises first increasing the speed of a fan contained in the computer and, if the storage device is later determined to still be too hot, reducing one or both of a clock speed of and a voltage provided to a processor contained in the computer and, if the storage device is still later determined to be too hot, shutting down the computer.

10. (Currently amended) The method of claim 1, further comprising accessing data regarding temperature operating parameters of the storage device and using that data to determine whether the storage device is or is not too hot.

11. (Original) A method for cooling a storage device contained in a computer, the method comprising:

periodically measuring the temperature of the storage device with a temperature sensor provided in or on the storage device; and

periodically providing temperature data including the measured temperature and temperature operating parameters for the storage device to a basic input/output system (BIOS) so that the BIOS can control operation of the computer in an effort to cool the storage device.

12. (Original) The method of claim 11, wherein periodically measuring the temperature of the storage device comprises measuring the temperature of the storage device in response to commands received by a storage device driver stored in memory of the computer.

13 (Original) The method of claim 11, wherein periodically measuring the temperature of the storage device comprises measuring the temperature of the storage device using a thermal diode.

14. (Original) The method of claim 11, wherein periodically providing temperature data comprises providing the data to a storage device driver of the computer that provides the data to the BIOS.

15. (Original) The method of claim 11, wherein periodically providing temperature data comprises providing information regarding an ideal temperature operating range and a critical temperature to the BIOS.

16. (Currently amended) A system for cooling a storage device in a computer, the system comprising:

means provided in or on the storage device for measuring the temperature of the storage device;

means for sending the measured temperature; and

means for adjusting operation of the computer in relation to the measured temperature.

17. (Canceled)

18. (Original) The system of claim 17, wherein the means for measuring comprise a thermal diode.

19. (Original) The system of claim 17, wherein the means for sending the measured temperature comprise a controller of the storage device.

20. (Original) The system of claim 17, wherein the means for adjusting operation of the computer comprise a basic input/output system (BIOS).

21. (Original) The system of claim 20, wherein the BIOS is configured to increase the speed of a fan contained in the computer, reduce one or both of a clock speed of and a voltage provided to a processor contained in the computer, or shut down the computer if the storage device is too hot.

22. (Currently amended) A system stored on a computer-readable medium, the system comprising:

logic configured to read a temperature of a storage device measured by a temperature sensor provided in or on the storage device;

logic configured to command the logic configured to read a temperature to read that temperature; and

logic configured to receive the read temperature and to control operation of a computer relative to the read temperature.

23. (Original) The system of claim 22, wherein the logic configured to read a temperature is configured to reside in memory of the storage device.

24. (Original) The system of claim 22, wherein the logic configured to command the logic configured to read a temperature comprises a storage device driver.

25. (Original) The system of claim 22, wherein the logic configured to receive the read temperature and to control operation of a computer comprises a computer basic input/output system (BIOS).

26. (Original) A thermal monitor, comprising:
logic configured to command a storage device driver to periodically collect temperature data from a storage device; and
logic configured to provide the collected temperature data to a computer basic input/output system (BIOS) to enable the BIOS to control operation of the computer in a manner so as to cool the storage device.

27. (Original) A computer basic input/output system (BIOS), comprising:
logic configured to receive a temperature of a storage device measured by the storage device;
logic configured to compare the measured temperature with temperature operating parameters for the storage device; and
logic configured to control operation of a computer in which the storage device is provided in a manner that reduces the temperature of the storage device.

28. (Original) The BIOS of claim 27, wherein the logic configured to control operation of a computer comprises logic configured to increase the speed of a fan contained in the computer, reducing one or both of a clock speed of and a voltage

provided to a processor contained in the computer, or shut down the computer if the storage device is too hot.

29. (Previously presented) The method of claim 1, wherein the storage device is one of a floppy drive, an optical drive, or a hard drive.

30. (Previously presented) The method of claim 11, wherein the storage device is one of a floppy drive, an optical drive, or a hard drive.

31. (Previously presented) The system of claim 16, wherein the storage device is one of a floppy drive, an optical drive, or a hard drive.

32. (Previously presented) The system of claim 22, wherein the storage device is one of a floppy drive, an optical drive, or a hard drive.

33. (Previously presented) The monitor of claim 26, wherein the storage device is one of a floppy drive, an optical drive, or a hard drive.

34. (Previously presented) The BIOS of claim 27, wherein the storage device is one of a floppy drive, an optical drive, or a hard drive.